

ABSTRACT OF THE DISCLOSURE

A hybrid type hydrodynamic and hydrostatic bearing and its manufacturing method are disclosed by the invention. By making use of a penetrated dynamic pressure generating groove carved on the surface of the bushing inside the housing, the processing efficiency of the tiny grooves can be substantially improved. Also, after combining the housing with the bushing, and utilizing porous material that is able to preserve a lubricant, the pressurization by gas can be added externally on the surface of the porous material. After being sealed, the gas prepress can force the lubricant to fill the interval between the bushing and shaft. The bearing can achieve the effect of lubricating and supporting the shaft.